## I claim as my invention:

- 1. A sealable fastener for insertion into a fastener opening
   2 in a receiving structure, the sealable fastener comprising:
  - a fastener shank comprising a shank longitudinal axis and a shank first end terminating at and integrally joined to a fastener head having a fastener first end wall and a shank second end terminating at a fastener second end wall, a shank side wall between said fastener head and said fastener second end wall and having a circumferential channel in said shank side wall extending to said fastener head and opening radially outward from said shank longitudinal axis, said shank side wall additionally having a fastener thread between said circumferential channel and said fastener second end wall;
  - and a sealant delivery passageway having a passageway entry port in said fastener head and a passageway exit port opening into said circumferential channel and extending from said passageway entry port to said passageway exit port;
    - such that a flowable sealant is injectable into said delivery passageway entry port, such that the sealant flows through said sealant delivery passageway and exits through said delivery passageway exit port and flows into and around said circumferential channel, creating a circumferential seal between said fastener shank and the fastener opening in the receiving structure.

- The sealable fastener of claim 1, wherein said shank side
   wall comprises a plurality of circumferential channels.
- The sealable fastener of claim 1, wherein said fastener
   is one of a bolt and a screw.
- 1 4. The sealable fastener of claim 1, wherein said sealant 2 d livery passageway is a radial notch in said fastener head.

5. A sealable fastener for insertion into a fastener opening in a receiving structure, the sealable fastener comprising:

a fastener shank comprising a shank longitudinal axis and a shank first end terminating at and integrally joined to a fastener head having a fastener first end wall and a shank second end terminating at a fastener second end wall, a shank side wall between said fastener head and said fastener second end wall, said shank side wall comprising a first circumferential channel in said shank side wall extending to said fastener head and opening radially outward from said shank longitudinal axis, a fastener thread between said circumferential channel and said fastener second end wall, and a second circumferential channel in said shank side wall between said first circumferential channel and said fastener second end wall;

and a sealant delivery passageway having a first passageway entry port in said fastener head and having a first passageway exit port opening into said first circumferential channel and a second passageway exit port opening into said second circumferential channel and extending from said first passageway entry port through said fastener head to said first passageway exit port and to said second passageway exit port;

such that flowable sealant injected into said passageway entry port flows through said sealant delivery passageway, out of said first passageway exit port and into and around said first circumferential channel and out of said second passageway exit port and into and around said second circumferential channel, creating

- 1 circumferential seals between said fastener shank and the fastener
- 2 opening in the receiving structure.
- 1 6. The sealable fastener of claim 5, wherein said sealant
- 2 delivery passageway is a radial notch in said fastener head.

- 7. A sealable fastener and fastener receiving structure,
   comprising:
- a fastener receiving structure having a fastener opening with a fastener opening longitudinal axis and a fastener opening interior surface substantially parallel with said fastener opening longitudinal axis;

- a sealable fastener comprising a fastener shank extending inside said fastener opening and having a shank longitudinal axis substantially parallel with said fastener opening longitudinal axis and a shank first end terminating at and integrally joined to a fastener head having a fastener first end wall and a shank second end terminating at a fastener second end wall, a shank side wall substantially parallel with said fastener opening longitudinal axis and extending between said fastener head and said fastener second end wall and having a circumferential channel in said shank side wall extending to said fastener head and opening radially outward from said shank longitudinal axis, said shank side wall additionally having a fastener thread between said circumferential channel and said fastener second end wall;
  - and a sealant delivery passageway having a passageway entry port in said fastener head and a passageway exit port opening into said circumferential channel and extending from said passageway entry port to said passageway exit port;
- such that a flowable sealant is injectable into said delivery passageway entry port, such that the sealant flows through said sealant delivery passageway and exits through said delivery

- 1 passageway exit port and flows into and around said circumferential
- 2 chann 1 and into contact with fastener opening interior surface,
- 3 creating a circumferential seal between said fastener shank and
- 4 said fastener opening interior surface.
- 1 8. The sealable fastener and fastener receiving structure of
- 2 claim 7, wherein said sealant delivery passageway is a radial notch
- 3 in said fastener head.

A method of securing a sealable fastener into a fastener 9. receiving structure comprising a fastener opening with a fastener opening longitudinal axis and a fastener opening interior surface substantially parallel with said fastener opening longitudinal axis; said sealable fastener comprising a fastener shank having a shank longitudinal axis substantially parallel with said fasten r opening longitudinal axis and a shank first end terminating at and integrally joined to a fastener head having a fastener first end wall and a shank second end terminating at a fastener second end wall, a shank side wall substantially parallel with said fasten r opening longitudinal axis and extending between said fastener head and said fastener second end wall and having a circumferential channel in said shank side wall extending to said fastener head and opening radially outward from said shank longitudinal axis, said shank side wall additionally having a fastener thread between said circumferential channel and said fastener second end wall; and a sealant delivery passageway having a passageway entry port in said fastener head and a passageway exit port opening into said circumferential channel and extending from said passageway entry port to said passageway exit port; said method comprising the steps of:

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inserting said shank second end into said fastener opening;
rotating said fastener such that said fastener shank advances
into said fastener opening until said fastener head abuts said
fastener receiving structure;

injecting a flowable sealant into said delivery passageway

1 entry port;

and driving said sealant through said sealant delivery passageway and through said delivery passageway exit port and into and around said circumferential channel and into circumferential sealing contact with said fastener opening interior surface.